SECOR

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INTERNATIONAL
INCORPORATED

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San Diego, CA 92108
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January 6, 2005

Project No. 08OT.04926.00

Monitoring Well Clerk
County of San Diego, Department of Environmental Health
Land and Water Quality Division
P.O. Box 129261
San Diego, California 92112-9261

Subject: **Well Destruction Report**
Susan Davey Property
1279/1281 East Main Street
El Cajon, California
APN 489-390-13-00
SAM Case No. H03126-001
Well Permit No. LMON102687

Dear Sir or Madam:

SECOR International Incorporated (SECOR), on behalf of Mr. Richard Reid, destroyed 7 groundwater monitoring wells on and in the vicinity of the above referenced site (Figure 1) under the subject well permit that was issued by the County of San Diego Department of Environmental Health, Site Assessment and Mitigation Program (SAM). The wells were destroyed following closure of SAM case number H03126-001. Details of the well destruction activities are presented below.

On November 29-30 and December 1, 2004, SECOR supervised West HazMat Drilling (West Hazmat) in the destruction of 7 groundwater monitoring wells on and in the vicinity of the site under permit number LMON102687. West HazMat used a CME 75 drill rig equipped with 10-inch outer diameter (OD) hollow-stem augers (HSAs) to overdrill monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7 (Figure 2). Well casings and materials were removed by overdrilling each borehole approximately 2-feet below their installed depths and then backfilled with bentonite grout using a tremie pipe as the augers were withdrawn from each borehole.

All well vaults were removed and backfilled with concrete to a level that matched the surrounding surface. The approximate quantities of materials used to backfill the well boreholes were as follows:

Well Number	Borehole Depth (feet bgs)	Well Depth (feet bgs)	Hydrated Bentonite Grout (cubic feet)	Hydrated Bentonite Chips (cubic feet)	Concrete (cubic feet)
MW-1	21.00	20.00	~10.0	~1.0	~0.5
MW-2	22.00	20.00	~10.0	~1.0	~0.5
MW-3	23.00	20.00	~11.0	~1.0	~0.5
MW-4	23.00	20.00	~11.0	~1.0	~0.5
MW-5	22.00	20.00	~6.5	~0.5	~0.5
MW-6	23.00	20.00	~7.0	~0.5	~0.5
MW-7	22.00	20.00	~7.0	~0.5	~0.5

A site location map, site plan, and a copy of the well permit cover sheet are enclosed. If any additional information is required, please contact the undersigned.

Respectfully submitted,

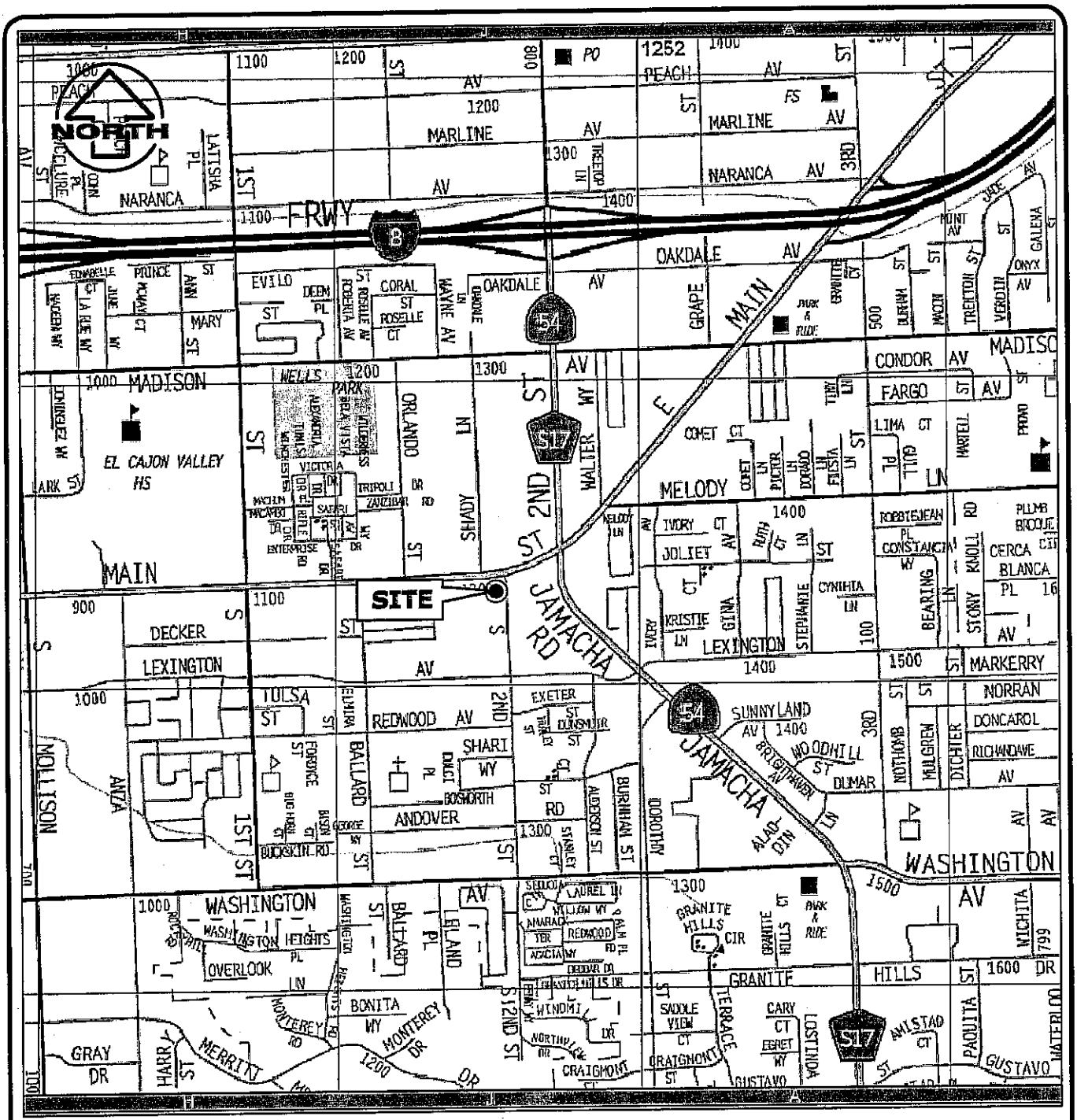
SECOR International Incorporated

Brian Demme, REA #5863
Geologist

Clifford R. Pollock, CHG #514
Principal Engineering Geologist

Enclosures: Figure 1 – Site Location Map
Figure 2 – Site Plan
DEH Well Permit Cover Sheet
Borehole/Well Logs for Abandoned Wells

cc: Mr. Jim Schuck – County of San Diego SAM
Mr. Manuel Marquez – West Hazmat Drilling Corporation



REFERENCE: THOMAS GUIDE CD-ROM, PAGE & GRID 1251 J5.

0 1320 2640

APPROXIMATE SCALE IN FEET

SECOR
International Incorporated
2655 CAMINO DEL RIO N., SUITE 302
SAN DIEGO, CA 92108

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PROJECT: 008.04711 DATE: 1/31/01

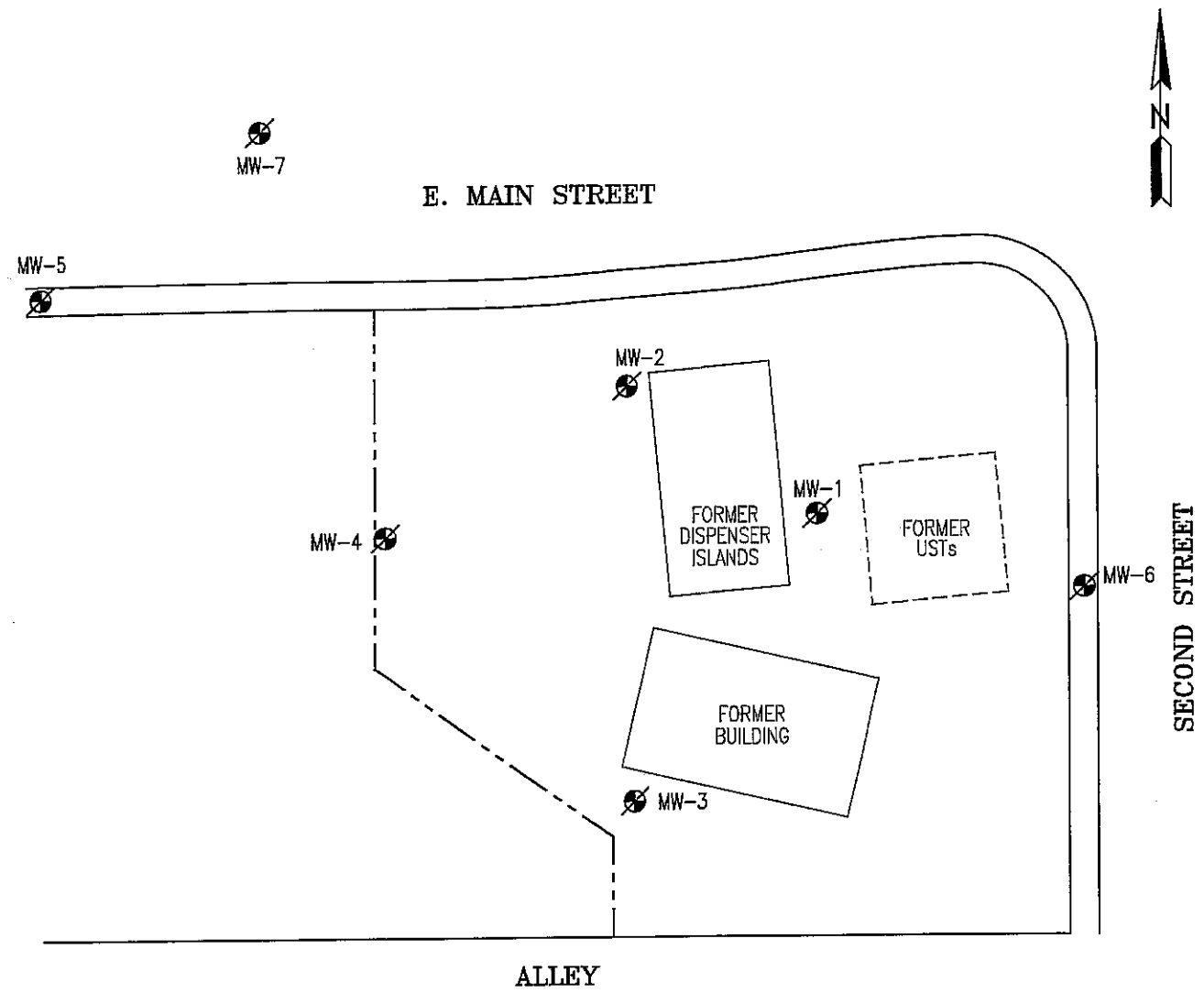
NOTES:

FIGURE 1

SITE LOCATION MAP

SUSAN DAVEY PROPERTY

1279 & 1281 E. MAIN STREET
EL CAJON, CALIFORNIA



LEGEND:

- DESTROYED GROUNDWATER MONITORING WELL
- PROPERTY LINE
- UST — UNDERGROUND STORAGE TANK

NOTE: FORMER BUILDING, DISPENSER ISLANDS AND UST LOCATIONS ARE APPROXIMATE BASED ON A 1973 AERIAL PHOTOGRAPH

0 50 100

APPROXIMATE SCALE IN FEET

SECOR INTERNATIONAL INCORPORATED 2655 CAMINO DEL RIO N., SUITE 302 SAN DIEGO, CA. 92108 DAVEYSP12-04.DWG 12/14/04	SITE PLAN SUSAN DAVEY PROPERTY 1279 & 1281 E. MAIN STREET EL CAJON, CALIFORNIA	PROJECT No.: 080T.04926.00 FIGURE: 2

P:\CAD\Allprojects2004dwgs\General 2004\DAVEY PROPERTY\DAVEYSP12-04.dwg modified by Lhunter on Dec 14, 2004 - 8:15

SECOR

BOREHOLE/WELL LOG

Number: MW-1

Client: Wurzell Estate

Job No: 80224-001-01

Sheet: 1 of 1

Location: 1279 & 1281 E. Main Street, El Cajon, CA

Drilling Company/Driller: West Hazmat Drilling/ Rick Hastings

SECOR Rep: Ben Eastman

Approved by:

Date Started: 3/25/98

Date Finished: 3/25/98

Drill Rig/Sampling Method: CME 75 / Split Spoon Sampler

Borehole Dia.: 10"

Casing Dia.: 4"

Surface Elevation: –

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (mg/kg)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Soil Type, color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			3" Asphalt, 3" base	
				1	SC		Clayey SAND, dark brown (10YR 3/3), medium to coarse grained sand, 10-20% clay, 5% fine gravel, moist, medium dense, no hydrocarbon (HC) odor.	
				2				
				3				
				4				
MW-1/5	0	ND	50/6"	5	SC		Clayey SAND, dark yellowish brown (10YR 4/2), fine to medium-grained sand, 10-20% clay, moist, very dense, no HC odor.	
				6				
				7		▽		
				8				
				9	SP/SC		Poorly Graded SAND with clay, moderate brown (5YR 4/4), medium sand, 10% clay, moist, very dense, no HC odor.	
MW-1/10	0	ND	70	10				
				1				
				2				
				3				
				4				
MW-1/15	0	–	75	15	SM	▼	Silty SAND, moderate brown (5YR 4/4), fine to medium-grained sand with non-plastic silt, trace clay, moist to wet, very dense, no HC odor.	
				6				
				7				
				8				
				9				
MW-1/20	0	–	72	20				
				1			Total depth = 20 feet bgs	
				2				
				3				
				4				
				25				
				6				
				7				
				8				
				9				
				30				

SECOR

BOREHOLE/WELL LOG

Number: MW-2

Client: Wurzell Estate

Job No: 80224-001-01

Sheet: 1 of 1

Location: 1279 & 1281 E. Main Street, El Cajon, CA

Drilling Company/Driller: West Hazmat Drilling/ Rick Hastings

SECOR Rep: Ben Eastman

Approved by:

Date Started: 3/25/98

Date Finished: 3/25/98

Drill Rig/Sampling Method: CME 75 / Split Spoon Sampler

Borehole Dia.: 10"

Casing Dia.: 4"

Surface Elevation: –

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (mg/kg)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Soil Type, color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			3" Asphalt	
				1	SP		Poorly Graded SAND, grayish brown (5YR 3/2), medium to coarse grained sand, 10% fine gravel, dry, medium dense, no hydrocarbon (HC) odor.	
				2			2" Asphalt	
				3				
				4	SC		Clayey SAND, moderate brown (5YR 4/4), fine grained sand, 10-20% clay, moist, very dense, no HC odor.	
MW-2/5	0	ND	46	5				
				6				
				7				
				8		▽		
				9				
MW-2/10	2	ND	75	10			Slight HC odor begins.	
				1				
				2				
				3				
				4				
MW-2/15	0	–	76	15	SM	▼	Silty SAND, moderate brown (5YR 4/4), fine-grained sand with non-plastic silt, trace clay, moist to wet, very dense, slight HC odor.	
				6				
				7				
				8				
				9				
MW-2/20	3	–	50/6"	20				
				1			Total depth = 20 feet bgs	
				2				
				3				
				4				
				25				
				6				
				7				
				8				
				9				
				30				

SECOR

BOREHOLE/WELL LOG

Number: MW-3

Client: Wurzell Estate

Job No: 80224-001-01

Sheet: 1 of 1

Location: 1279 & 1281 E. Main Street, El Cajon, CA

Drilling Company/Driller: West Hazmat Drilling/ Rick Hastings

SECOR Rep: Ben Eastman

Approved by:

Date Started: 3/25/98

Date Finished: 3/25/98

Drill Rig/Sampling Method: CME 75 / Split Spoon Sampler

Borehole Dia.: 10"

Casing Dia.: 4"

Surface Elevation: –

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (mg/kg)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Soil Type, color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			3" Asphalt, 3" base	
				1	SC		Clayey SAND, moderate brown (5YR 4/4), fine to medium-grained sand, 10-20% clay, moist, medium dense, no hydrocarbon (HC) odor.	
MW-3/5	0	ND	31	5				
				8	SP/SC		Poorly Graded SAND with clay, moderate brown (5YR 4/4), medium-grained sand, 10% clay, wet, medium dense, no HC odor.	
MW-3/10	0	ND	17	10				
				15	SM		Silty SAND, moderate brown (5YR 4/4), fine to medium-grained sand with non-plastic silt, trace clay, wet, dense, no HC odor.	
MW-3/15	0	–	27					
				20	ML		SILT with sand, dark yellowish brown (10YR 4/4), non-plastic silt with fine subangular sand, wet, very dense, no HC odor.	
MW-3/20	0	–	50/6"					
							Total depth = 20 feet bgs	

SECOR

BOREHOLE/WELL LOG

Number: MW-4

Client: Wurzell Estate

Job No: 80224-001-01

Sheet: 1 of 1

Location: 1279 & 1281 E. Main Street, El Cajon, CA

Drilling Company/Driller: West Hazmat Drilling/ Rick Hastings

SECOR Rep: Ben Eastman

Approved by:

Date Started: 3/25/98

Date Finished: 3/25/98

Drill Rig/Sampling Method: CME 75 / Split Spoon Sampler

Borehole Dia.: 10"

Casing Dia.: 4"

Surface Elevation: –

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (mg/kg)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Descripton (Soil Type, color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
MW-4/5	20	ND	50/6"	0–5	SC		Clayey SAND, moderate brown (5YR 4/4), fine-grained sand, 20% clay, moist, very dense, slight hydrocarbon (HC) odor.	
MW-4/10	340	2,851	50/6"	5–10			Moderate HC odor begins.	
MW-4/15	0	ND	75	10–15	SM		Silty SAND, moderate brown (5YR 4/4), fine to medium-grained sand with non-plastic silt, trace clay, moist to wet, very dense, no HC odor.	
MW-4/20	0	–	76	15–20			Total depth = 20 feet bgs	

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BOREHOLE / WELL LOG

Number: MW-5

Client: Susan Davey

Job No: 008.04711.009

Sheet: 1 of 1

Location: Davey Property, 1279/1281 E. Main St., El Cajon, CA

Drilling Company/Driller: WHD/ Oscar Gonzalez

SECOR Rep: A. Hoyos

Approved by:

Date Started: 5/31/2000

Date Finished: 5/31/2000

Drill Rig/Sampling Method: CME-75/ CA Split Spoon Sampler

Borehole Dia.: 8"

Casing Dia:. 2"

Surface Elevation: NA

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Soil Type, Color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			Pavement: concrete 4", base 4"	
				1	SM		Silty SAND, reddish brown (5YR 4/3), fine grained, moist, med. dense, no HC odor.	
				2				
				3				
				4				
			4 30	5				
MW-5/5'	--	--	50	6				
				7	SC		Clayey SAND, reddish brown (5YR 4/4), medium grained, moist, very dense, no HC odor.	
				8				
				9				
			43	10				
MW-5/10'	--	--	50	1			Alternating layers of poorly graded sand, fine grained, moist, no HC odor.	
				2				
				3				
				4				
			24	15				
MW-5/15'	--	<0.5	50	6	SM		Silty SAND, yellowish red (5YR 4/6), fine grained , moist, very dense, no HC odor.	
				7				
				8				
				9			Becomes more silty, fine grained, wet, no HC odor.	
			28	20				
MW-5/20'	--	<0.5	50	1			TOTAL DEPTH = 20 FEET BGS.	
				2			4 1/2 sacks of #3 sand 1 1/2 sacks of chips 2 ready mix 1 quick set	
				3				
				4				
				25				
				6				
				7				
				8				
				9				
				30				

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SECOR

BOREHOLE / WELL LOG

Number: MW-6

Client: Susan Davey	Job No: 008.04711.009	Sheet: 1 of 1
Location: Davey Property, 1279/1281 E. Main St., El Cajon, CA	Drilling Company/Driller: WHD/ Oscar Gonzalez	
SECOR Rep: A. Hoyos	Approved by:	

Date Started:	Date Finished:	Drill Rig/Sampling Method:	Borehole Dia.:	Casing Dia:.	Surface Elevation:
5/31/2000	5/31/2000	CME-75/ CA Split Spoon Sampler	8"	2"	NA

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Soil Type, Color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			Sidewalk: concrete 6", base 4"	
				1				
				2				
				3	SM		Silty SAND, reddish brown (5YR 4/4), fine grained, dry, medium dense, no HC odor.	
				4				
				5				
MW-6/5'	--	--	80/6"	6				
				7			Very dense, dry, no HC odor.	
				8				
				9				
			34	10				
MW-6/10'	--	--	50	1				
				2	SP		Poorly graded sand, reddish brown (5YR 4/5), fine grained, some silt, trace of clay, moist, no HC odor.	
				3				
				4				
			10	15				
MW-6/15'	--	<0.5	27	6				
			50	7				
				8				
				9	SC		Clayey SAND, reddish brown (5YR 4/3), medium to coarse grained, wet, very dense, no HC odor.	
			47	20				
MW-6/20'	--	<0.5	50	1			TOTAL DEPTH = 20 FEET BGS.	
				2			5 100-lb. sacks of #3 sand 1 50-lb sack of chips 2 ready mix 1 quick set	
				3				
				4				
				25				
				6				
				7				
				8				
				9				
				30				

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SECOR

BOREHOLE / WELL LOG

Number: MW-7

Client: Susan Davey

Job No: 008.04711.009

Sheet: 1 of 1

Location: Davey Property, 1279/1281 E. Main St., El Cajon, CA

Drilling Company/Driller: WHD/ Zane Ausmus

SECOR Rep: P. McConnell

Approved by:

Date Started: 6/7/2000

Date Finished: 6/7/2000

Drill Rig/Sampling Method: CME-75 HT/ HSA/ Split Spoon

Borehole Dia.: 8"

Casing Dia.: 2"

Surface Elevation: NA

SAMPLE LOG			BOREHOLE LOG					WELL LOG
Sample Number	OVA/PID (ppm)	Lab Results (ppm)	Density Blows/ft	Depth in Feet	USCS Symbol	Graphic Log	Geologic Description (Soil Type, Color, grain, minor soil component, moisture, density, odor, etc.)	Well Design
				0			Concrete divider over 6" asphalt + road base.	
				1				
				2				
				3	SM		Silty SAND, dark reddish brown (5YR 3/3), fine to very fine sand with 20-30% silt, dry, dense, no HC odor.	
				4				
				5				
MW-7/5'	–	–	85	6				
				7			Becomes fine to coarse sand.	
				8				
				9	SC/ SM		Clayey SAND and Silty SAND, reddish brown (5YR 4/3), fine to very fine sand with clay, interbedded with silty sand, dry, very dense, no HC odor.	
MW-7/10'	–	–	87/10"	10				
				1				
				2				
				3				
				4				
				15				
MW-7/15'	–	<0.5	83	6				
				7	SM		Silty SAND, dark reddish brown (5YR 3/3 + 4/3), fine to very fine sand with silt, moist, very dense, no HC odor.	
				8				
				9				
				20	SC		Clayey SAND, reddish brown (5YR 4/3), fine to very fine sand with clay, slightly moist, very dense.	
MW-7/20'	–	<0.5	75	1				
				2			Drilled to 20 feet bgs. Sampled to 21 feet bgs. Borehole completed as a 2 inch diameter groundwater monitoring well. Screen interval is 0.02 inch slotted PVC with #3 sand backfill.	
				3				
				4				
				25				
				6				
				7				
				8				
				9				
				30				

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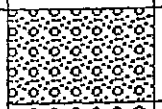
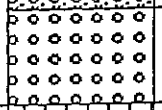
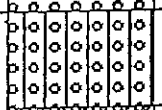
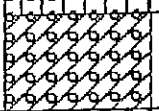
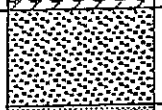
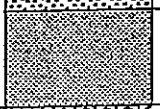
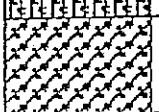
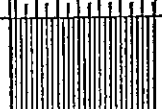
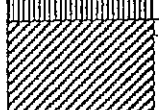
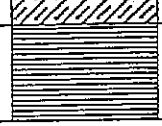
DEFINITION OF TERMS

PRIMARY DIVISIONS			GRAPHIC SYMBOL	GROUP SYMBOL	SECONDARY DIVISIONS
COARSE GRAINED SOILS — More Than Half Of Material Is Larger Than No. 200 Sieve Size	GRAVELS — More Than Half Of Coarse Fraction Is Larger than No. 4 Sieve	Clean Gravels (Less Than 5% Fines)		GW	Well graded gravels, gravel sand mixtures, little or no fines.
				GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
		Gravel With Fines		GM	Silty gravels, gravel-sand-clay mixtures, non-plastic fines.
				GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines.
	SANDS — More Than Half Of Coarse Fraction Is Smaller Than No. 4 Sieve	Clean Sands (Less Than 5% Fines)		SW	Well graded sands or gravelly sands, little or no fines.
				SP	Poorly graded sands or gravelly sands, little or no fines.
		Sands With Fines		SM	Silty sands, sand-silt mixtures, plastic fines.
				SC	Clayey sands, sand-clay mixtures, plastic fines.
FINE GRAINED SOILS — More Than Half Of Material Is Smaller Than No. 200 Sieve Size	SILTS AND CLAYS — Liquid Limit Is Less Than 50%			ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
				OL	Organic silts and organic silty clays of low plasticity.
	SILTS AND CLAYS — Liquid Limit Is Greater Than 50%			MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.
				CH	Inorganic clays of high plasticity, fat clays.
				OH	Organic clays of medium to high plasticity, organic silts.
HIGHLY ORGANIC SOILS				Pt	Peat and other highly organic soils

SECOR

BOREHOLE/WELL LOG LEGEND

GRAIN SIZES

U.S. Standard Series Sieve				Clear Square Sieve Openings			
200	40	10	4	3/4"	3"	12"	
SILTS and CLAYS	SAND			GRAVEL		COBBLES	BOULDERS
	Fine	Medium	Coarse	Fine	Coarse		

RELATIVE DENSITY

Sands and Gravels	Blows/Foot†
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Over 50

CONSISTENCY

Silts and Clays	Strength‡	Blows/Foot†
Very Soft	0 - 1/4	0 - 2
Soft	1/4 - 1/2	2 - 4
Firm	1/2 - 1	4 - 8
Stiff	1 - 2	8 - 16
Very Stiff	2 - 4	16 - 32
Hard	Over 4	Over 32

MOISTURE CONTENT:

- Dry - absence of moisture, dusty, dry to the touch.
- Moist - damp but no visible water.
- Wet - visible free water, usually soil is below water table.

† Number of blows of 140 pound hammer falling 30 inches to drive a 2 inch O.D. (1-3/8 inch I.D.) split spoon (ASTM D-1586).

‡ Unconfined compressive strength in tons/sq.ft. as determined by laboratory testing or approximated by the standard penetration test (AST D-1586), pocket penetrometer, torvane, or visual observation.

Soil Component %: Percentages of individual soil component described are relative and based on field observation only.

Graphic Log Symbols

- Free Product
- Groundwater (Static)
- Groundwater (First Encountered)

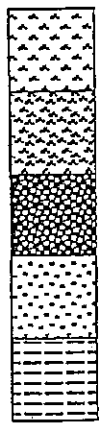
Well Design Symbols

- Centralizer

Abbreviations Used

ags	Above Ground Surface
msl	Mean Sea Level
A/C	Asphalt/Concrete
Bent	Bentonite
bgs	Below Ground Surface
dia	Diameter
'	Feet
FP	Free Product
GW	Ground Water
HC	Hydrocarbon
"	Inches
med	Medium
mod	Moderate
NA	Not Analyzed
ND	Not Detected
NR	Not Recovered
ppm	Parts Per Million

Well Design Fill Patterns



- Concrete
- Concrete Slurry
- Bentonite
- Sand
- Screened Interval

SECOR

BOREHOLE/WELL LOG LEGEND

PERMIT #LMON102687
A.P.N. #489-390-13-00
EST #H03126

COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH
LAND AND WATER QUALITY DIVISION

MONITORING WELL DESTRUCTION PERMIT

SITE NAME: SUSAN DAVEY/WURZELL ESTATE PROPERTY

SITE ADDRESS: 1279-1281 E MAIN STREET, EL CAJON, CA 92021

PERMIT TO: DESTROY 7 MONITORING WELLS

PERMIT APPROVAL DATE: 11/04/04

PERMIT EXPIRES ON: **03/04/05**

RESPONSIBLE PARTY: SUSAN DAVEY

PERMIT CONDITIONS:

1. **All material within the original borehole, which includes the casing, filterpack and annular seal must be removed. The borehole must be completely filled with an approved sealing material as specified in Department of Water Resources Bulletin 74-90.**

2. All water and soil resulting from the activities covered by this permit must be managed, stored and disposed of as specified in the SAM Manual in Section 5, E- 4. **(http://www.sdcounty.ca.gov/deh/lwq/sam/manual_guidelines.html).** In addition, drill cuttings must be properly handled and disposed in compliance with the Stormwater Best Management Practices of the local jurisdiction.

3. Within 60 days of completing work, submit a well construction report, including all well and/or boring logs and laboratory data to the Well Permit Desk. This report must include all items required by the SAM Manual, Section 5, Pages 6 & 7.

4. This office must be given 48-hour notice of any drilling activity on this site and advanced notification of drilling cancellation. Please contact the Well Permit Desk at 619) 338-2339.

NOTE: **This permit does not constitute approval of a work plan as defined in Section 2722 of Article 11 of C.C.R., Title 23. Work plans are required for all unauthorized release investigations in San Diego County.**

APPROVED BY: V. Tavizon VERONICA TAVIZON DATE: 11/04/04

NOTIFIED: 11/04/04 Faxed

DEH:SAM-9075 (4/03)